

S/N 10/027,736

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	PRESTA ET AL.	Examiner:	M. BELYAVSKYI
Serial No.:	10/027,736	Group Art Unit:	1644
Filed:	DECEMBER 19, 2001	Docket No.:	11669.92US01
Confirmation No.:	9756	Customer No.:	23552
Title:	NON-HUMAN PRIMATE Fc RECEPTORS AND METHODS OF USE		

VIA HAND DELIVERY

SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT (37 C.F.R. § 1.97(c))

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted after the mailing date of a first Office Action on-the-merits or a first Office Action after filing a Request for Continued Examination under 37 C.F.R. § 1.114 or a CPA under 37 C.F.R. § 1.53(d), but before the mailing date of: i) a final action under 37 C.F.R. § 1.113; ii) a Notice of Allowance under 37 C.F.R. § 1.311; or iii) an action that otherwise closes prosecution on the application. Enclosed is a check in the amount of \$180.00 under 37 C.F.R. § 1.17(p) for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F.R. §1.98(a)(2), a copy of each document or other information listed on the enclosed Form 1449 is provided.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a

reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account No. 13-2725.

Respectfully submitted,

MERCHANT & GOULD P.C.
P.O. Box 2903
Minneapolis, Minnesota 55402-0903
(612) 332-5300

Date: March 1, 2004

Katherine M. Kowalchyk

Katherine M. Kowalchyk

Reg. No. 36,848

KMK:sab



VIA HAND DELIVERY

Sheet 1 of 1

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 11669.0092US01	Application Number: 10/027,736
	Applicant: Presta et al.	
	Filing Date: 19 Dec. 2001	Group Art Unit: 1644

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,189,014	02/23/1993	COWAN, JR.			
	6,676,927	01/13/2004	RAVETCH			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						

23552

PATENT TRADEMARK OFFICE

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	

Receipt is hereby acknowledged for the following in the U.S. Patent and Trademark Office:

In re Application of: PRESTA ET AL.

For: NON-HUMAN PRIMATE FC RECEPTORS AND METHODS OF USE

Docket No.: 11669.92US01

Serial No.: 10/027,736

Filed: DECEMBER 19, 2001

Due Date: DECEMBER 14, 2003 (30 DAYS)

Date Mailed: December 11, 2003

- Transmittal Sheet in duplicate containing Certificate of Mailing
- Supplemental Information Disclosure Statement, Form 1449, 2 Reference(s), Copy of International Search Report
- Return postcard

Patent

KKowalchyk:KMC:PLSkaw

Receipt is hereby acknowledged for the following in the U.S. Patent and Trademark Office:

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Docket No.: 11669.92US01

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Patent

KKowalchyk:KMC:PLSkaw



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: PRESTA ET AL. Examiner: M. BELYAVSKYI
Serial No.: 10/027,736 Group Art Unit: 1644
Filed: DECEMBER 19, 2001 Docket: 11669.92US01
Confirmation No.: 9756
Due Date: DECEMBER 14, 2003 (30 DAYS)
Title: NON-HUMAN PRIMATE FC RECEPTORS AND METHODS OF USE

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on December 11, 2003.

By: Kristine A. Wacek
Name: Kristine A. Wacek

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

23552
PATENT TRADEMARK OFFICE

Sir:

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- Return postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers or any future reply, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT & GOULD P.C.
P.O. Box 2903, Minneapolis, MN 55402-0903
612.332.5300

By: Katherine M. Kowalchyk
Name: Katherine M. Kowalchyk
Reg. No.: 36,848
KKowalchyk:KMC:PLSkaw

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: PRESTA ET AL. Examiner: M. BELYAVSKYI
Serial No.: 10/027,736 Group Art Unit: 1644
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By: Katherine Kowalchyk
Name: Katherine Kowalchyk

Commissioner for Patents
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Alexandria, VA 22313-1450

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S/N 10/027,736

PATENT

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Applicant:	PRESTA ET AL.	Examiner:	M. BELYAVSKYI
Serial No.:	10/027,736	Group Art Unit:	1644
Filed:	DECEMBER 19, 2001	Docket No.:	11669.92US01
Title:	NON-HUMAN PRIMATE FC RECEPTORS AND METHODS OF USE		

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on December 12, 2003.

By:

Name:

Kristen A. Lueck
Kristen A. Lueck

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(b))

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner. At least some of the references were recently cited in an International Search Report mailed November 14, 2003.

This statement should be considered because it is submitted before the mailing date of a first Office Action on-the-merits. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

Certification Under 37 C.F.R. § 1.704(d)

In accordance with 37 C.F.R. § 1.704(d), the undersigned hereby certifies that each item listed on the enclosed Form 1449 was cited in a communication from a foreign patent office in a counterpart application, and that this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty (30) days prior to the filing of this Information Disclosure Statement. Accordingly, no patent term adjustment is due for the filing of this Information Disclosure Statement.

In accordance with 37 C.F.R. §1.98(a)(2), a copy of each document or other information listed on the enclosed Form 1449 is provided. Enclosed for the Examiner's information is a copy of the International Search Report.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account No. 13-2725.

Respectfully submitted,

MERCHANT & GOULD P.C.
P.O. Box 2903
Minneapolis, Minnesota 55402-0903
(612) 332-5300

Date: Dec. 11, 2003

Katherine M. Kowalchyk
Katherine M. Kowalchyk
Reg. No. 36,848
KMK:KMC:PLSkaw



Date Mailed: DECEMBER 11, 2003

Sheet 1 of 1

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 11669.92US01	Application Number: 10/027,736
		Applicant: PRESTA ET AL.
		Filing Date: 12/19/2001 Group Art Unit: 1644

23552

PATENT TRADEMARK OFFICE

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	

Receipt is hereby acknowledged for the following in the U.S. Patent and Trademark Office:
In re Application of: PRESTA ET AL.
For: NON-HUMAN Fc RECEPTORS AND METHODS OF USE
Docket No.: 11669.92US01 Serial No.: 10/027,736
Filed: DECEMBER 19, 2001 Due Date: MARCH 19, 2002

- Date Mailed: March 19, 2002
- Transmittal Sheet in duplicate containing Certificate of Mailing
 - Information Disclosure Statement, Form 1449, 75 References
 - Return postcard

Patent

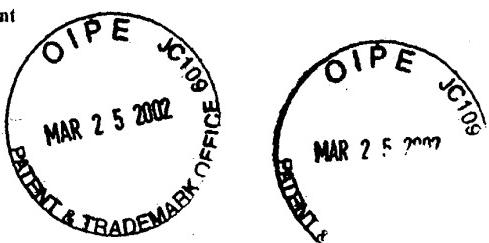
KKowalchyk:sab

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In re Application of: PRESTA ET AL.
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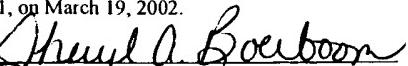
KKowalchyk:sab



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: PRESTA ET AL. Examiner: UNKNOWN
Serial No.: 10/027,736 Group Art Unit: UNKNOWN
Filed: DECEMBER 19, 2001 Docket: 11669.92US01
Confirmation No.: 9756 Notice of Allow.
No.: Date:
Due Date: MARCH 19, 2002
Title: NON-HUMAN Fc RECEPTORS AND METHODS OF USE

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence and the paper(s), as described herein, are being deposited in the United States Postal Service, as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on March 19, 2002.

By 
Sheryl A. Boerboom

Commissioner for Patents
Washington, D.C. 20231

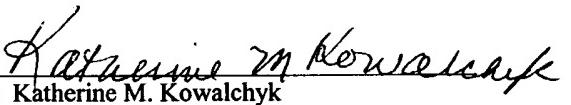
Sir:

We are transmitting herewith the attached:

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Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers or any future reply, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT & GOULD P.C.
P.O. Box 2903, Minneapolis, MN 55402-0903
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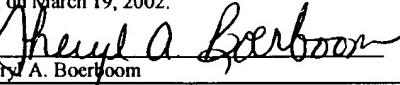
By: 
Name: Katherine M. Kowalchyk
Reg. No.: 36,848
KKowalchyk:sab



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: PRESTA ET AL. Examiner: UNKNOWN
Serial No.: 10/027,736 Group Art Unit: UNKNOWN
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By: 
Cheryl A. Boerboom

Commissioner for Patents
Washington, D.C. 20231

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Reg. No.: 36,848
KKowalchyk:sab



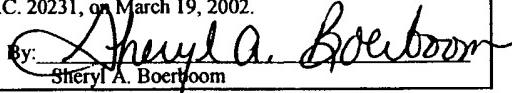
S/N 10/027,736

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	PRESTA ET AL.	Examiner:	UNKNOWN
Serial No.:	10/027,736	Group Art Unit:	UNKNOWN
Filed:	DECEMBER 19, 2001	Docket No.:	11669.92US01
Title:	NON-HUMAN Fc RECEPTORS AND METHODS OF USE		

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By: 
Sheryl A. Boerboom

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(b))

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted within three months of the filing date of the above-identified application, which is not an application under 37 C.F.R. § 1.53(d). Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F.R. §1.98(a)(2), a copy of each document or other information listed on the enclosed Form 1449 is provided.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked

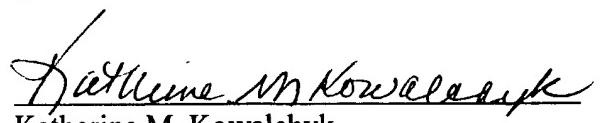
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(612) 332-5300

Date: March 19, 2002


Katherine M. Kowalchyk
Reg. No. 36,848
KMK:sab



FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION <small>(Use several sheets if necessary)</small>		Docket Number: 11669.92USU1	Application Number: 10/027,736
		Applicant: PRESTA ET AL.	
		Filing Date: 12/19/2001	Group Art Unit: UNKNOWN

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,518,584	05/21/1985	Mark et al.			
	4,737,462	04/12/1988	Mark et al.			
	5,824,487	10/20/1998	Ravetch et al.			
	5,877,396	03/02/1999	Ravetch et al.			
	6,194,551 B1	02/27/2001	Idusogie et al.			

FOREIGN PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
	Adams, D. et al., "Tumors undergoing rejection induced by monoclonal antibodies of the IgG2a isotype contain increased numbers of macrophages activated for a distinctive form of antibody-dependent cytolysis", <i>Proc. Natl. Acad. Sci. USA</i> , 81:3506-3510 (June 1984)					
	Allen, J. et al., "Nucleotide sequence of three cDNAs for the human high affinity Fc receptor (FcRI)", <i>Nucleic Acids Research</i> , Vol. 16, No. 24, pp. 11824 (1988)					
	Allen, J. et al., "Isolation and Expression of Functional High-Affinity Fc Receptor Complementary DNAs", <i>Science</i> , Vol. 243, pp. 378-381 (January 20, 1989)					
	Amigorena, S. et al., "Cytoplasmic Domain Heterogeneity and Functions of IgG Fc Receptors in B Lymphocytes", <i>Science</i> , Vol. 256, pp. 1808-1812 (June 26, 1992)					
	Anderson, D. et al., "Targeting Cytotoxic Immunotherapy", <i>Biochemical Society Transactions</i> , Vol. 25, No. 2, pp. 705-708 (May 1997)					
	Angal, S. et al., "A Single Amino Acid Substitution Abolishes the Heterogeneity of Chimeric Mouse/Human (IgG4) Antibody", <i>Molecular Immunology</i> , Vol. 30, No. 1, pp. 105-108 (1993)					
	Bauer, C. et al., "A genetic enrichment for mutations constructed by oligodeoxynucleotide-directed mutagenesis", <i>Gene</i> , 37:73-81 (1985)					
	Bjorkman, P. et al., "Structure of the human class I histocompatibility antigen, HLA-A2", <i>Nature</i> , 329:506-512 (October 8, 1987)					



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		Applicant: PRESTA ET AL.	
		Filing Date: 12/19/2001	Group Art Unit: UNKNOWN

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	Bowie, J. et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions", <i>Science</i> , 247:1306-1310 (March 16, 1990)		
	Brooks, D. et al., "Structure and Expression of Human IgG FcRII(CD32): Functional Heterogeneity is Encoded by the Alternatively Spliced Products of Multiple Genes", <i>The Journal of Experimental Medicine</i> , Vol. 170, No. 4, 1369-1385 (October 1989)		
	Burton, D., "Immunoglobulin G: Functional Sites", <i>Molecular Immunology</i> , Vol. 22, No. 3, pp. 161-206 (1985)		
	Capel, P., et al., "Heterogeneity of Human IgG Fc Receptors", <i>Immunomethods</i> , 4:25-34 (1994)		
	Clark, M. et al., "A single amino acid distinguishes the high-responder from the low-responder form of Fc receptor II on human monocytes", <i>Eur. J. Immunol.</i> , 21:1911-1916 (1991)		
	Clynes, R. et al., "Inhibitory Fc receptors modulate <i>in vivo</i> cytotoxicity against tumor targets", <i>Nature Medicine</i> , Vol. 6, No. 4, pp. 443-446 (April 2000)		
	Collins, E. et al., "The three-dimensional structure of a class I major histocompatibility complex molecule missing the $\alpha 3$ domain of the heavy chain", <i>Proc. Natl. Acad. Sci. USA</i> , 92:1218-1221 (February 1995)		
	Cosman, D. et al., "Cloning, sequence and expression of human interleukin-2 receptor", <i>Nature</i> , 312:768-771, (December 1984)		
	Cosman, D. et al., "High Level Stable Expression of Human Interleukin-2 Receptors in Mouse Cells Generates Only Low Affinity Interleukin-2 Binding Sites", <i>Molecular Immunology</i> , Vol. 23, No. 9, pp. 935-941 (1986)		
	Coussens, L. et al., "Tyrosine Kinase Receptor with Extensive Homology to EGF Receptor Shares Chromosomal Location with <i>neu</i> Oncogene", <i>Science</i> , 230:1132-1139 (December 6, 1985)		
	Craik, C., "Use of Oligonucleotides for Site-Specific Mutagenesis", <i>BioTechniques</i> , Vol. 3, No. 1, pp. 12-19 (January/February 1985)		
	Cunningham, B. et al., "The Complete Amino Acid Sequence of $\beta 2$ -Microglobulin", <i>Biochemistry</i> , Vol. 12, No. 24, pp. 4811-4822 (November 20, 1973)		
	de Haas, M. et al., "Fc γ receptors of phagocytes", <i>The Journal of Laboratory and Clinical Medicine</i> , Vol. 126, No. 4, pp. 330-341 (October 1995)		
	de Haas, M. et al., "A Triallelic Fc γ Receptor Type IIIA Polymorphism Influences the Binding of Human IgG by NK Cell Fc γ RIIIa", <i>The Journal of Immunology</i> , Vol. 156, No. 8, pp. 2948-2955 (April 15, 1996)		
	Debré, M. et al., "Infusion of Fc γ fragments for treatment of children with acute immune thrombocytopenic purpura", <i>Lancet</i> , Vol. 342, No. 8877, pp. 945-949 (October 16, 1993)		



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FORM 1449* INFORMATION DISCLOSURE STATEMENT		Docket Number: 11669.92USUI	Application Number: 10/027,736
IN AN APPLICATION (Use several sheets if necessary)		Applicant: PRESTA ET AL.	
		Filing Date: 12/19/2001	Group Art Unit: UNKNOWN

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	Deo, Y. et al., "Clinical significance of IgG Fc receptors and FcγR-directed immunotherapies", <i>Immunology Today</i> , Vol. 18, No. 3, pp. 127-135 (March 1997)		
	Eaton, D. et al., "Construction and Characterization of an Active Factor VIII Variant Lacking the Central One-Third of the Molecule", <i>Biochemistry</i> , Vol. 25, No. 26, pp. 8343-8347 (December 30, 1986)		
	Engelhardt, W. et al., "Distribution, inducibility and biological function of the cloned and expressed human βFc receptor II", <i>Eur. J. Immunol.</i> , 20:1367-1377 (1990)		
	EU Index in Kabat et al., "Sequences of Proteins of Immunological Interest", Vol. III, 5th Ed., <i>Public Health Service</i> , National Institutes of Health, Bethesda, MD, pp. 2246 (1991)		
	Gavin, A. et al., "Molecular basis for the interaction of Fc receptors with immunoglobulins", <i>The Immunoglobulin Receptors and their Physiological and Pathological Roles in Immunity</i> , pp. 11-35 (1998)		
	Gessner, J. et al., "The IgG Fc receptor family", <i>Annals of Hematology</i> , Vol. 76, No. 5, pp. 231-248 (May 1998)		
	Gessner, J. et al., "The Human Low Affinity Immunoglobulin G Fc Receptor III-A and III-B Genes", <i>The Journal of Biological Chemistry</i> , Vol. 270, No. 3, pp. 1350-1361 (January 20, 1995)		
	Ghetie, V. et al., "FcRn: the MHC class I-related receptor that is more than an IgG transporter", <i>Immunology Today</i> , 18:592-598 (December 1997)		
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IN AN APPLICATION (Use several sheets if necessary)		Applicant: PRESTA ET AL.	
		Filing Date: 12/19/2001	Group Art Unit: UNKNOWN

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